IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Patent Application of

HINDERKS, Larry W.

Serial No. 09/750,181

Filed: December 29, 2000

Atty. Ref.: 3593-22

y. Ref.: 3372

Group: Unassigned Conton Conton Ref. 20, Conton Examiner: Unassigned

HIGH BANDWIDTH TRANSMISSION SYSTEM AND

METHOD HAVING LOCAL INSERTION, DELAY PLAY AND

DEMAND PLAY

Assistant Commissioner for Patents

March 19, 2001

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Sir:

Washington, DC 20231

Technology Center 2100

INFORMATION DISCLOSURE STATEMENT

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449, a copy of each of which is enclosed. This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

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		<u> </u>	S. PATENT DOCUMENTS					
IINER IAL	DOCUMENT NUMBER	DATE	NAME		CLASS		FILING DATE IF APPROPRIAT	
JAL	5,893,091	4/1999	HUNT et al.		ULAUU	SOBOLAGO	IF ALT TO THE.	<u>-</u>
	5,991,306	11/1999	BURNS et al.			 		_
	5,881,131	3/1999	FARRIS et al.			 		_
$\overline{}$	5,594,490	1/1997	DAWSON et al.			+	RECEI JUN 25	$\bar{\Lambda}$
	5,659,615	8/1997	DILLON et al.		 	 		₩
	5,790,541	8/1998	PATRICK et al.				JUN 25	2
	5,959,989	9/1999	GLEESON et al.			+		4
	5,857,072	1/1999	CROWLE		-	+	echnology Cen	
	5,907,544	5/1999	RYPINSKI			+	9, 96,	4€
	5,828,844	10/1998	CIVANLAR et al.					_
$\overline{}$	5,818,845	10/1998	MOURA et al.			 	<u> </u>	
$\overline{}$	4,018,993	4/1977	EDSTROM			 		_
	4,933,936	6/1990	RASMUSSEN et al	Ī		+		_
	5,394,561	2/1995	FREEBURG	14	 			
	5,412,660	5/1995	CHEN et al.		 	+	 	_
	5,280,625	1/1994	HOWARTER et al.		 	1	 	
	5,457,808	10/1995	OSAWA et al.		-	 	 	
	5,517,494	5/1996	GREEN		 	+		_
	5,485,464	1/1996	STRODTBECK et a	اد	 	 	 	_
-	5,625,624	4/1997	ROSEN et al.	d.	 	-		_
	5,852,721	12/1998	DILLON et al.		 	+		
	5,541,927	7/1996	KRISTOL et al.			 	+	
	5,732,078	3/1998	ARANGO		-	 	+	_
	5,778,187	7/1998	MONTEIRO et al.		-		CEIVED	_
	5,778,187	8/1996	GELB et al.		 	V-14-	VEIVER	
	5,432,907	7/1995	PICAZO et al.		 	1111	2 5 2001	_
	5,751,961	5/1998	SMYK		 	·	N J (DU)	_
	5,764,916	6/1998	BUSEY et al.		 	rechnol	ogy Center 260	ΛC
	5,684,799	11/1997	BIGHAM et al.		 	1001	by come	스
1	0,007,700		REIGN PATENT DOCUMEN			<u>L</u>	<u> </u>	_
		FUR	REIGN PATENT DOCUMENT	15			TRANSLATION	<u>, </u>
	DOCUMENT	DATE	COUNTRY		CLASS	SUBCLASS		
	WO 97/148051	12/1997	PCT (note US priority of	date)				_
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			n Different Network infrastruc					nt
	1995-1997	• •			-		•	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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,	5,694,490	12/1997	HOWELL 6			•	ļ			
	5,440,336	08/1995	BUHRO et			DI DI	ECEI'	VEF		
	5,534,913	07/1996	MAJETI et			111	LOLI	V L L		
	5,608,446	03/1997	CARR et	al.		٠,,)L 2 5	2004		
	5,493,339	02/1996	BIRCH et	al.		J(L 2 3	200		
		FC	REIGN PATENT DOCU	JMENTS		Techno	Joan Co	ntar 2		
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	OTHER DO	CUMENTS (including Author, Title	. Date. Pertin	ent pages.	etc.)				
	OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Klett, "Cisco Attacks Crowding on Multimedia Nets", Computerworld, March 6, 1995, p. 10									
	ורוקנו, טוסטט הוומטאס י	Crowaina or	n Multimedia Nets", Com	puterworld, M	arch 6, 1995	o, p. 10				
						o, p. 10				
	Brue, "The Business	Case for AT	M", Data Communicatio	ns, April, 1995			ol			
	Brue, "The Business	Case for AT Institute, "T	M", Data Communicatio ransmission Control Pro	ns, April, 1995			ol			
	Brue, "The Business Information Sciences Specification," Septer	Case for AT Institute, "T mber, 1981,	M", Data Communicatio ransmission Control Pro	ns, April, 1995 tocol, Darpa Ir	nternet Prog	ram, Protoc		O01,		
	Brue, "The Business Information Sciences Specification," Septer International Prelimin	Case for AT Institute, "T mber, 1981, ary Examina	M", Data Communicatio ransmission Control Pro pp. 1-81	ns, April, 1995 tocol, Darpa Ir Opinion, Janua	nternet Prog ary 4, 1999,	ram, Protoc	1707W			
	Brue, "The Business Information Sciences Specification," Septer International Prelimin International Applicat	Case for AT Institute, "T mber, 1981, ary Examina ion No. PCT	M", Data Communicatio ransmission Control Pro pp. 1-81 ation Authority, "Written	ns, April, 1995 tocol, Darpa Ir Opinion, Janua the present a	nternet Prog ary 4, 1999, pplication, 1	ram, Protoc	1707W			
	Brue, "The Business Information Sciences Specification," Septer International Prelimin International Applicat Intel, "Intel ProShare Videotex, "Multicast \	Case for AT Institute, "T mber, 1981, ary Examina ion No. PCT Video Confe Video Servic	M", Data Communication fransmission Control Propp. 1-81 ation Authority, "Written of JUS97/20734, related to erencing -White Paper", e", 1/10/97, pp. 1-3	ns, April, 1995 tocol, Darpa Ir Opinion, Janua the present a 1/10/97, pp. 1	nternet Prog ary 4, 1999, pplication, 1	Case No. 1 170US03, (1707W(08/969,1			
	Brue, "The Business Information Sciences Specification," Septer International Prelimin International Applicat Intel, "Intel ProShare Videotex, "Multicast \ Sepmeier, "Internet C	Case for AT Institute, "T mber, 1981, ary Examina ion No. PCT Video Confe Video Servic Connectivity	M", Data Communication fransmission Control Propp. 1-81 ation Authority, "Written of T/US97/20734, related to the rencing -White Paper", re", 1/10/97, pp. 1-3 by Satellite", 2/6/97, pp.	ns, April, 1995 tocol, Darpa Ir Opinion, Janua the present a 1/10/97, pp. 1	nternet Prog ary 4, 1999, pplication, 1 5	Case No. 1 170US03, (1707W(08/969,1	74		
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Center VUN 25 3 2007 Unassigned OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Intel, "Intercast Industry Group - Who We Ate", 2/6/97, pp. 1-2 Microsoft, "Microsoft Windows to Deliver Digital TV Experience", 4/7/97, pp. 1-3 Microsoft, "Microsoft Proposes Standard to Link TV Networks to the Internet", 4/6/97, pp. 1-3 Microsoft, "Microsoft Netshow", 4/7/97, pp. 1-3 (note 1997 copyright notice) Microsoft, "Support for Microsoft Windows and Digital TV", 4/7/97, pp. 1-4 (note 1997 copyright notice) Microsoft, "NPR, Audionet, and Other Broadcasters Choose Microsoft Netshow...", 4/7/97, pp. 1-4 (note 1997 copyright notice) Microsoft, "Netshow Benefits and Features," 4/7/97, pp. 1-5 (note 1997 copyright notice). Microsoft, "Looking at Product Components," 4/7/97, pp. 1-2(note 1997 copyright notice) Microsoft, "Putting Netshow to Work," 4/7/97, pp. 1-2, (note 1997 copyright notice). Microsoft, "A Look at What's New in Netshow Version 2.0 Beta," 4/7/97, pp.1-2 (note 1997 copyright notice) Microsoft, "Netshow Version 2.0 Beta Overview," 4/7/97, pp. 1-2 (note 1997 copyright notice). Microsoft, "About Microsoft Netshow," 7/7/97, pp. 1-2 (note 1997 copyright notice) Microsoft, "Welcome to Microsoft Netshow," 4/7/97, pp. 1-2 (note 1997 copyright notice). McGarvey, "IBN: Internet Broadcasting Network," 4/19/97, pp. 1-2 (note 1996 copyright notice) VDOnet, "First Video Commercial Made Specifically for the Internet...," 9/15/96, pp. 1-2. VDOnet, "NBC Desktop Video, PBS, and Cisco...," 6/13/96, pp. 1-3. VDOnet, "VDOnet Permits Mac-Based Video....," 1/6/97, pp. 1-2. Progressive Networks, "RealVideo Technical White Paper," 4/5/97, pp. 1-7 (note 1995-97 copyright notices) PC-Sat, "PC-Sat," 4/3/97, pp.1-10 (note 1997 copyright notices). Netday News, "WavePhre to Bundle "VBI" with PC Theatre," 5/6/97, p.1. Wavetore, "Imagine" and other documents regarding Wavetop, 4/3/97, pp. 1-11 (note 1997 copyright notices). Montgomery, "Race for the Final Mile," 10/2/96, pp. 1-32. Bauer & Yum, Netflow switching, Cisco Netflow Switching Software...., 4/22/96, Cisco Systems Cisco Systems, RSVP for the Multimedia Party, Packet Magazine Archives, Third Quarter 1995, Cisco Sys. Cisco Systems, Internet Protocol, Version 6, Copyright 1992-99, Cisco Systems, USA Sabnani, et al., "Multidestination Protocols for Satellite Broadcast Channels", March, 1985, IEEE Communications Society, pp. 232-240. Mogul et al., "Improving HTTP Latency", 1/28/99, pp. 1-12. Claffy et al., "A Parameterizable Methodology for Internet Traffic Flow Profiling", 1/28/99. Reinhardt, "Beam's Satellite System Can Stream Video Straight to ISPs", Businessweek Online, 10/27/99, Radio Ink, "Infinity Boards the Musicam Express: Instant Airing of National Spot Buys Possible," May 8-21, Musicam Express, "Musicam", (note 1995 copyright notice). Virtual Express Communications, "Starguide", (note 1995 copyright notice) Digital Audio Systems, "What is Dax?," "Installation and Operation of The Dax", 4/25/95, pp.1-7 Microsoft: Partners in Microsoft Windows and Digital TV 4/7/97 pp. 1-2

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	6,122,658	09/2000	CHADDHA				
	5,940,391	08/1999	MALKIN et al.				
	6,119,098	09/2000	GUYOT et al.				
	5,155,591	10/1992	WACHOB				
	5,319,455	06/1994	HOARTY et al.		Δ.		•
	5,412,416	05/1995	NEMIROFSKY		150		
	6,009,409	12/1999	ADLER et al.		111.	S /1	
	5,948,061	09/1999	MERRIMAN et al.	Por	10/00 5	1/2/	
	5,946,646	08/1999	SCHENA et al.	7/	30/0 5	<i>></i> ````	
	6,064,420	05/2000	HARRISON et al.		Ology Cons	00,	
	5,774,170	06/1998	HITE et al.		Note of the second seco		
	5,694,334	12/1997	DONAHUE et al.		-74	600	
	6,006,173	12/1999	WIESE et al.			-0	
	5,404,567	04/1995	DE PIETRO et al.				
	5,966,663	10/1999	GLEASON				
	5,781,909	07/1998	LOGAN et al.				
	5,727,002	03/1998	MILLER et al.				
	5,694,546	12/1997	REISMAN				
	5,305,440	04/1994	MORGAN et al.				
	5,812,786	09/1998	SEAZHOLTZ et al.				
	6,081,533	06/2000	LAUBACH et al.				
	5,892,910	04/1999	SAFADI				
	6,192,051 B1	02/2001	LIPMAN et al.				
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